

Missouri Gypsy Moth Survey Report 2001

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2001 Survey Results

A total of six (6) moths were reported from around the state (Fig. 1). Moths were taken in four (4) positive traps from three counties. Of the moths captured, four were from St. Louis County (1 triple, 1 single); one was captured in Stone County and one in Callaway County.

Approximately 12,000 pheromone traps were placed throughout the state in the annual effort to detect the presence of this damaging insect pest. Traps were placed in approximately 109/114 counties. Primary trapping agencies were Missouri Departments of Agriculture and Conservation, University of Missouri-IPM (coop agreement with USDA-APHIS-PPQ), with additional trapping conducted by, USDA-APHIS, U.S. Department of Defense (Whiteman AFB, Ft. Leonard Wood), and Missouri National Guard.

Discussion

The overall results of the 2001 survey are consistent with recent surveys (Table 1). The majority of moths continue to be found in the primary metropolitan areas of the state as well as the high tourist areas of southwest Missouri. Gypsy moth activity in some of our neighboring states to the north and east (particularly Illinois, Iowa, and Wisconsin) has increased in recent years and continues to be a primary concern. We should continue to monitor our situation in a manner consistent with our current approach.

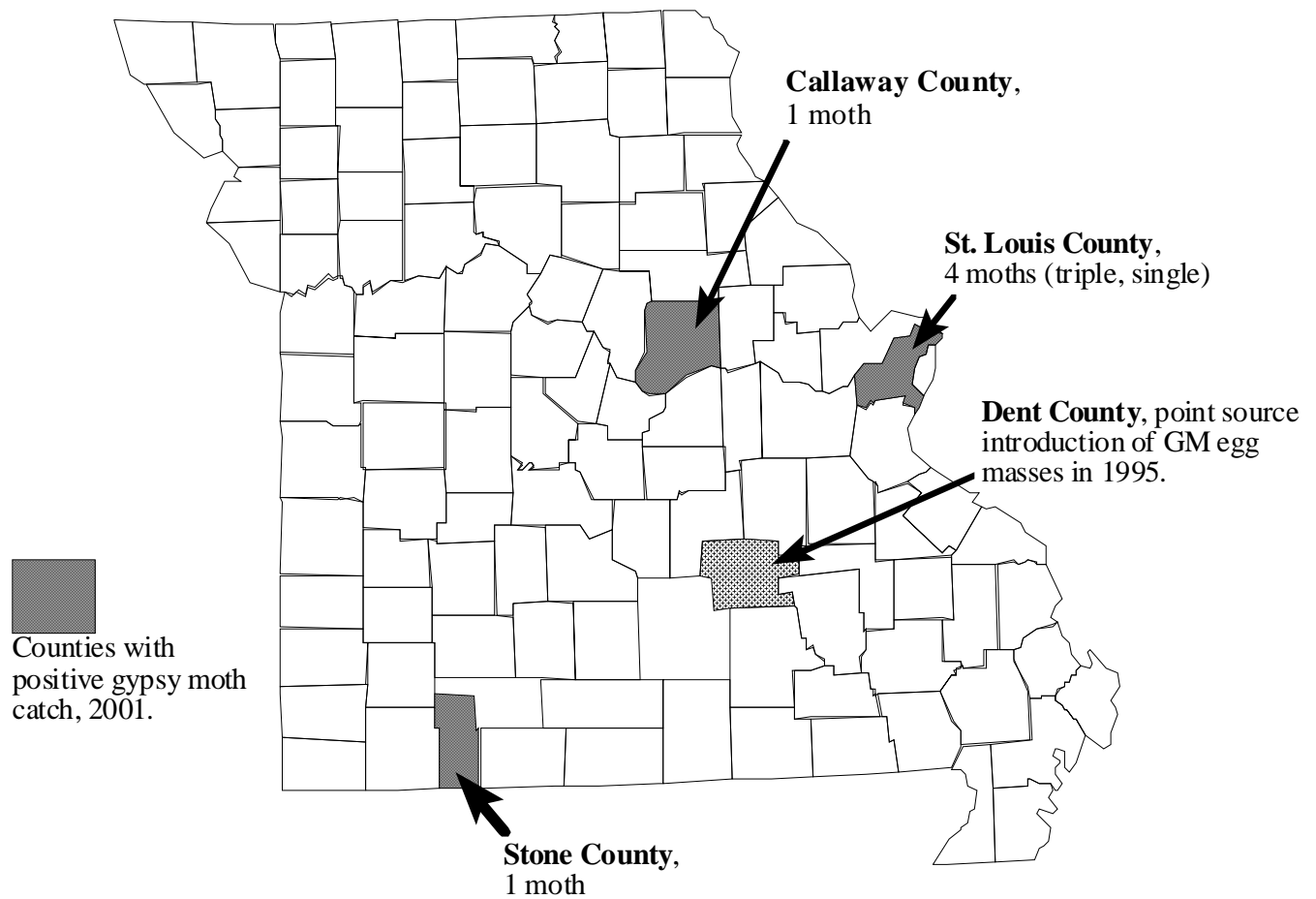
2001 Summary of Gypsy Moth Positives

Callaway Co.	1 positive trap	1 moth
St. Louis Co.	1 positive trap	3 moths
St. Louis Co.	1 positive trap	1 moths
Stone Co.	1 positive trap	1 moth
3 counties	4 positive traps	6 moths

Table 1.
Summary of Missouri Gypsy Moth Survey Program, 1967-2001

Year	# Traps used in survey	Area surveyed	# Multiple catches	Total number of moths taken
1967-1973	??	Limited statewide	0	0
1974	??	Limited statewide	0	1
1976-1979	??	Limited statewide	0	0
1980	??	Limited statewide	0	3
1981	3,500	1/3 of state	1	9
1982	4,200	1/3 of state	1	14
1983	5,700	1/3 of state	1	11
1984	6,000	1/3 of state	1	13
1985	5,152	½ of state	2	22
1986	6,900	½ of state	0	8
1987	7,320	½ of state	0	5
1988	7,600	½ of state	2	11
1989	7,515	86/114 counties	2	11
1990	7,432	61/114 counties	0	8
1991	6,819	65/114 counties	3	35
1992	8,721	67/114 counties	7	33
1993	9,032	48/114 counties	7	62
1994	13,000	97/114 counties	5	40
1995	12,500	85/114 counties	2	26
1996**	11,500	114/114 counties	0	6
1997	10,500	108/114 counties	2	13
1998	10,500	108/114 counties	2	17
1999	12,200	99/114 counties	1	13
2000	11,000	100/114 counties	2	12
2001	12,000	109/114 counties	1	6
**Entire state surveyed			Total # moths taken in 34 years	391

2001 Missouri Gypsy Moth Survey Results



Positive moth sites as of 10/01.
Six moths taken in survey from 3 counties.
Approx. 12,000 traps utilized. (109/114 counties surveyed)

Figure 1. 2001 Positive Gypsy Moth Locations.